<table>
<thead>
<tr>
<th>Time</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 PM</td>
<td>1:00 PM</td>
<td>Registration and Set-up</td>
</tr>
<tr>
<td>1:00 PM--</td>
<td>2:15 PM</td>
<td>PFBC Personnel</td>
</tr>
<tr>
<td>2:15 PM--</td>
<td>2:45 PM</td>
<td>1st Presentation- CNU Issues</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Earl Myers- PFBC Coop Unit Leader</td>
</tr>
<tr>
<td>2:45 PM--</td>
<td>3:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>3:00 PM--</td>
<td>3:30 PM</td>
<td>2nd Presentation- Disease Prevention Measures</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Brian McHail- Fisheries Technician</td>
</tr>
<tr>
<td>3:30PM--</td>
<td>3:40 PM</td>
<td>Break</td>
</tr>
<tr>
<td>3:40PM--</td>
<td>4:10 PM</td>
<td>3rd Presentation- Growing Better Fish</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Allen Keim- Fisheries Technician</td>
</tr>
<tr>
<td>4:10 PM--</td>
<td>5:00 PM</td>
<td>Longevity Awards and Closing Statements</td>
</tr>
<tr>
<td>5:00 PM--</td>
<td>?</td>
<td>Dinner</td>
</tr>
</tbody>
</table>
Mission: To protect, conserve, and enhance the Commonwealth’s aquatic resources and provide fishing and boating opportunities

Cooperative Nursery Program
CNU Issues
1965

Cooperative Nursery Branch

Established
Present Day
Cooperative Nursery Unit
Personnel

Earl Myers    Unit Leader
Brian McHail  Fisheries Technician
Allen Keim    Fisheries Technician
Sue Taylor    Secretary
State College

Centre County
What We Do !!!

- Manage 148 sponsors and 161 nurseries
- Initiate delivery process for 1.1 million brook, brown, rainbow, & golden rainbow trout fingerlings
- Benner Spring, Corry, Huntsdale, Owayo, Reynoldsdale
- Tionesta 100,000 steelhead fingerlings to 3C.U.nurseries in Erie County
- Linesville- Provide eggs and fry-WE,YP,LMB,CC
• Investigate prospective nursery sites
• Conduct semi-annual inspections
• Emergency site visits
• Administer $60,000 in grants
• Conduct Biennial Regional Seminars
• Participate in Lake Erie Brown Trout Program
Coop Issues
Infectious Pancreatic Necrosis
Lake Erie Drainage

IPNv
What is IPNv

- Worldwide Disease
- Virus Attacks Pancreatic Tissue and Internal Organs
- Brook and Rainbow Trout Most Susceptible
- Affects Juvenile Life Stage
- Oswayo SFH 1983
- All PFBC CW Hatcheries IPN + Except Benner Spring and Portions of Tylersville SFH’s
Bio-security Plan
III. Cooperative Nursery Unit Operating Procedures

7. Transfer of fish between or among Cooperative Nursery Sponsors or sites requires written prior approval of the Cooperative Nursery Unit Leader.
INTRA-NURSERY REQUEST
FOR FISH TRANSFER

DATE: ______________________

1. The following transfer is requested:

<table>
<thead>
<tr>
<th>Fish</th>
<th>Age (or size)</th>
<th>Shipping</th>
<th>Nursery Name</th>
<th>Disease Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>Receiving</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Species</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Disease History:

<table>
<thead>
<tr>
<th>Date</th>
<th>Disease</th>
<th>Antimicrobial Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Prior Transfer Record:

<table>
<thead>
<tr>
<th>Date of Prior Transfer</th>
<th>Received From</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Shipping Station Disease Classification

4. Transfer Request Review:

Cooperative Nursery Unit __________ Pathology Unit __________
Grants
Sponsor Grants

- Application Deadline: May 15th
- Cover Letter: Keep for Your Records
- Budget: Keep it Simple
- Federal ID # and SAP #
- Project Completion Report: On Time
2011
APPLICATION FOR FINANCIAL SUPPORT

PROJECT TITLE: _Repair Concrete Raceway________________________
Location: _Benner Spring Nursery______________________________
Completion Date: _June 30th 2012____

APPLICANT (Organizations legal name):
Sponsor: _Benner Spring Sportsmen Club_______________________
Address: _1735 Shiloh Rd____________________________________
City: _State College________ State__PA_____ Zip _16801_______
Telephone No.: (_814___) 352-2228_____________
Contact Individual: _Earl Myers______________________________
Title: _Nursery Manager___ Level of Support Desired: _50 %________
Matching Funds:
Organization: _Benner Spring Sportsmen___ Amount: _$1500.00___

BRIEF OUTLINE OF PROPOSED PROJECT
Objective: _Replace deteriorating concrete blocks at lower end of raceway, pour new raceway bottom and install new stop planks________________

Expected Results: _Extend life of raceway and improve cleaning efficiency________________

Additional Comments: ________________________________
BUDGET

Equipment purchase grants are **one year only**. Construction grants are for **two years**. If work is to continue beyond, indicate how long and why in this proposal. The total funding of all sources must be shown.

Please give an itemized account of all proposed expenditures.

<table>
<thead>
<tr>
<th>ITEMS/DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete blocks (750) @ $2.00/ block</td>
<td>$1500.00</td>
</tr>
<tr>
<td>Cement (50 yds) @ $20/ yd</td>
<td>$1000.00</td>
</tr>
<tr>
<td>2 X 6 Planks (5) @ $10/ea</td>
<td>$ 50.00</td>
</tr>
<tr>
<td>Angle Iron (4) @ $100/ea</td>
<td>$ 400.00</td>
</tr>
<tr>
<td>Bolts and hardware</td>
<td>$ 50.00</td>
</tr>
</tbody>
</table>

Total Cost of Project: $ 3000.00

AMOUNT REQUESTED FOR THIS PROJECT

<table>
<thead>
<tr>
<th></th>
<th>PFBC</th>
<th>MATCH FUNDS</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Equipment costs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Materials Supplies  $1300.00</td>
<td>$1500.00</td>
<td>$3000.00</td>
<td></td>
</tr>
<tr>
<td>c) Payment for services</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) Miscellaneous (list)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e) TOTAL</td>
<td>$1500.00</td>
<td>$1500.00</td>
<td>$3000.00</td>
</tr>
</tbody>
</table>

*Make sure figures for Itemized Description (at top of page) & Amount Requested for Project (just above) equal each other!!!

Signature of Preparer & Title

Date __1/14/11__  
Sponsor Federal ID# (REQUIRED) __25-1234567__
SAP # (REQUIRED) __654321__

Rev. (2/2010)
COMMONWEALTH OF PENNSYLVANIA
Pennsylvania Fish and Boat Commission
Bureau of Fisheries
Fish Production Services
Cooperative Nursery Unit

August 9, 2010

SUBJECT: Grant Agreement

TO: Cooperative Nursery Sponsor Grant Recipients

FROM: Earl M. Myers, Leader
Cooperative Nursery Unit

The PA Fish & Boat Commission has awarded a grant to your organization under the subject grant program. Accordingly, I am enclosing three copies of the Grant Agreement and a W-9 form for appropriate signatures.

Please have the appropriate officer’s sign and date all three copies of the agreement in the spaces provided on page 4. Your president or vice president (only one needs to sign) should sign on the lines marked for them. Your secretary or treasurer (only one need sign) should sign on the line marked near the president or vice president signature line. If your organization has a board instead of officers, those who are authorized to bind your organization contractually can sign the agreement.
In either case, please indicate the title of the persons signing the agreement on behalf of your organization, by circling the appropriate office under the signature line.

In addition, please sign and date the Form W-9 (Request for Taxpayer Identification Number), which is in one of the agreement packets (there is only one of these forms). All three copies of the signed agreement and W-9 should be returned to me for further processing as quickly as possible. **Please do not keep any papers except the cover letter!!**
I will provide you with a copy of the agreement once it has been fully signed by the Commonwealth agencies.

Pursuant to the agreement, your organization must provide my office with a report summarizing project expenditures (copies of receipts included) within 90 days of the completion of the project. Project period termination date (see page 4 of grant agreement) is one year for purchases and two years for construction from June 30th of this year. Failure to submit this report on time may result in denial of future grant applications.

If you have any questions or need any additional information, please do not hesitate to contact me.

DO NOT DATE THE AGREEMENT ON THE FIRST PAGE!!!!!
KEEP THIS LETTER FOR YOUR RECORDS!!!!!!

C: A. Shiels

Revised 5/2/2010
Grant Agreement Report

2009-2011

Date check was received:

Date Project was begun:

Date Project was complete:

Briefly describe any pre-approved changes to the “Grant Agreement”:

Call CNU if you want to make any changes

Amount of PFBC Grant Funds not applied to the project:

This money must be refunded to the PFBC. Make checks payable to the PA Fish & Boat Commission and mail along with this report to:

PA Fish & Boat Commission
Cooperative Nursery Unit Office
1735 Shiloh Road
State College, PA 16801

Please include all copies of receipts verifying project expenditures.

Responsible Individual:

Signature:
# 2013 Important Grant Program Dates

## Purchase Grant (2013-2014)

<table>
<thead>
<tr>
<th>Application Due</th>
<th>May 15, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Date Begins</td>
<td>July 1, 2013</td>
</tr>
<tr>
<td>Project Date Ends</td>
<td>June 30, 2014</td>
</tr>
<tr>
<td>Receipts/Report Due</td>
<td>10/1/2014 (<em>no later than</em>)</td>
</tr>
</tbody>
</table>

## Construction Grant (2013-2015)

<table>
<thead>
<tr>
<th>Application Due</th>
<th>May 15, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Date Begins</td>
<td>July 1, 2013</td>
</tr>
<tr>
<td>Project Date Ends</td>
<td>June 30, 2015</td>
</tr>
<tr>
<td>Receipts/Report Due</td>
<td>10/1/2015 (<em>no later than</em>)</td>
</tr>
</tbody>
</table>
NPDES General Permits

• 2008 – Required for over 20,000 lb biomass 
  Use of chemicals and antibiotics

• 2012 – December …Department of 
  Environmental Protection institutes General 
  Aquaculture Permit

• Only three nurseries affected
### Bio Oregon Feed (47-14) Study at the Don Anderson Nursery - Somerset County - PA 2012-2013

<table>
<thead>
<tr>
<th>Sp.</th>
<th>Start of Study (11/2/12)</th>
<th>End of Study (1/9/13)</th>
<th>Increase in Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length</td>
<td># Fish</td>
<td>lb/100</td>
</tr>
<tr>
<td>BT</td>
<td>7.59</td>
<td>2268</td>
<td>20.00</td>
</tr>
<tr>
<td>RT</td>
<td>8.77</td>
<td>1808</td>
<td>30.16</td>
</tr>
<tr>
<td>GRT</td>
<td>11.08</td>
<td>45</td>
<td>61.62</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Study Duration:** 69 days  
**Pounds Fed:** 440 lbs.  
**Water Flows:** 181-230 gpm  
**Biomass Gained:** 358.49 lbs.  
**Water Temp:** 34-39 °F (48 of the 69 days)  
**Feed Conversion:** 1.23 : 1  
**40-49 °F (21 of the 69 days)**
Emergency Call Questions

1. What is the water flow at the nursery?
2. What is the water temperature at the nursery?
3. How many pounds of salt are you using?
4. How many days have you salted?
5. What species of fish are dying?
6. Are you noticing any unusual behavior with the fish, such as flashing, jumping, flared gills, or congregations of fish around aerators or the head end of the raceway ponds? If yes, please describe the behavior.
7. Are you noticing any sores or frayed fins on the fish? If so, what type and where on the fish are you noticing them?
8. Are the fish eating well?
9. Are the mortalities increasing each day?